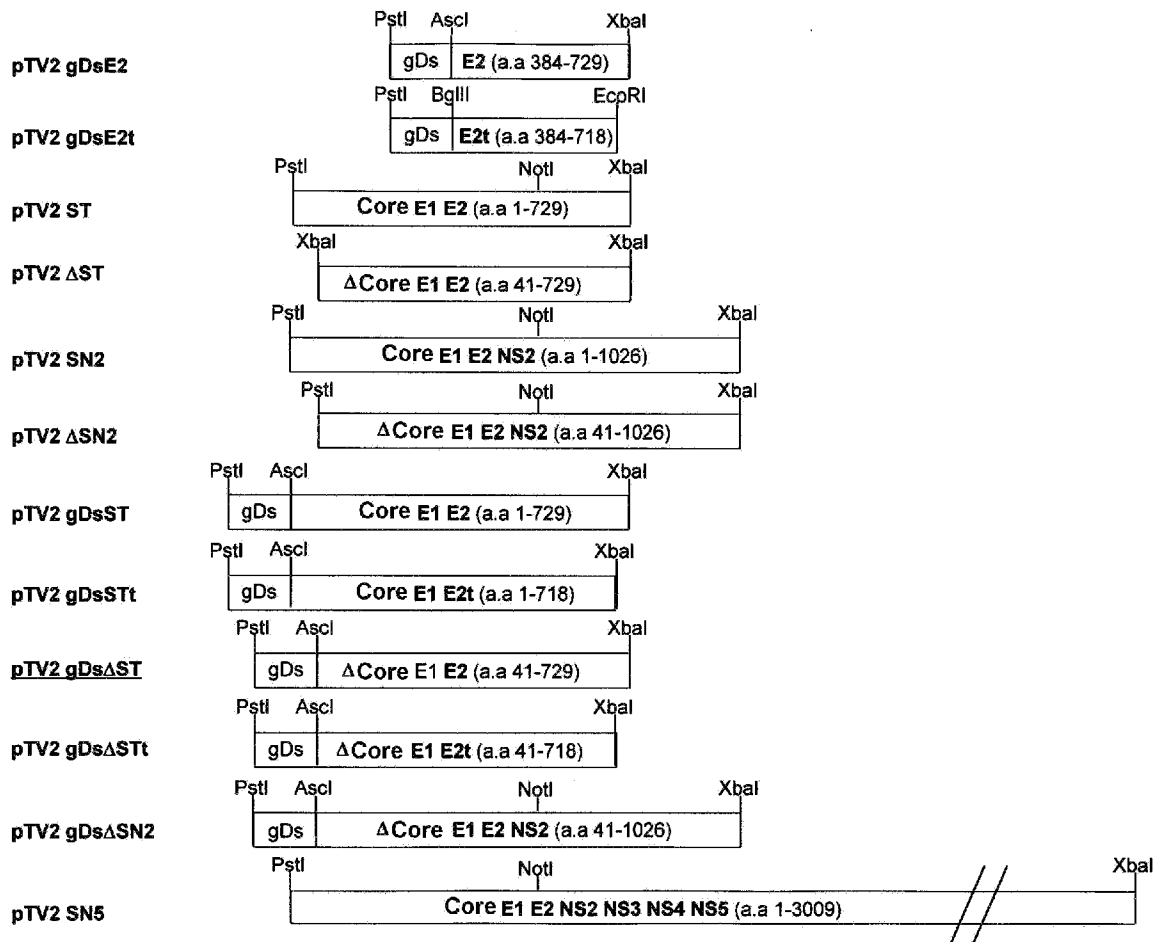


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FIGURES

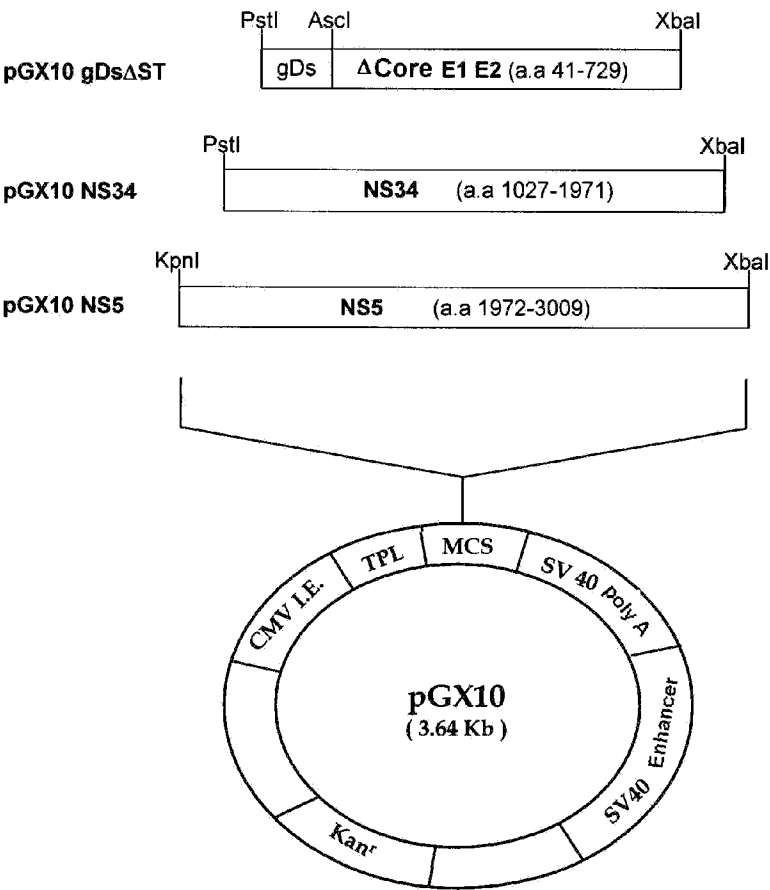
FIG. 1



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FIG. 2

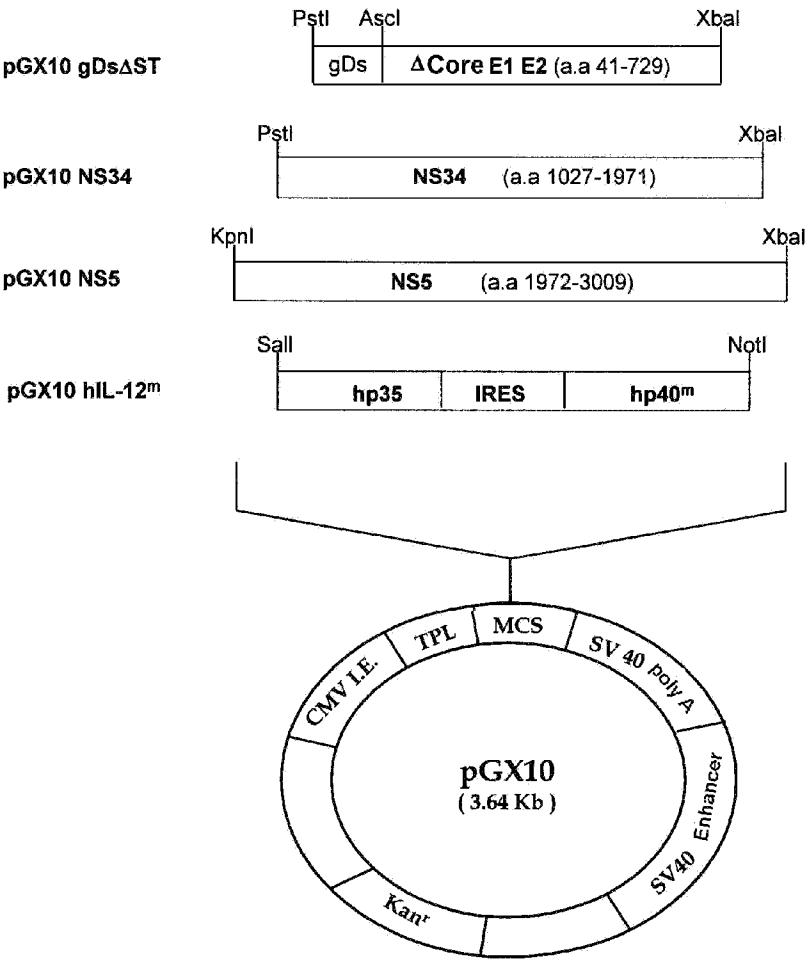
**HC102**



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FIG. 3

**HC103**



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FIG. 4

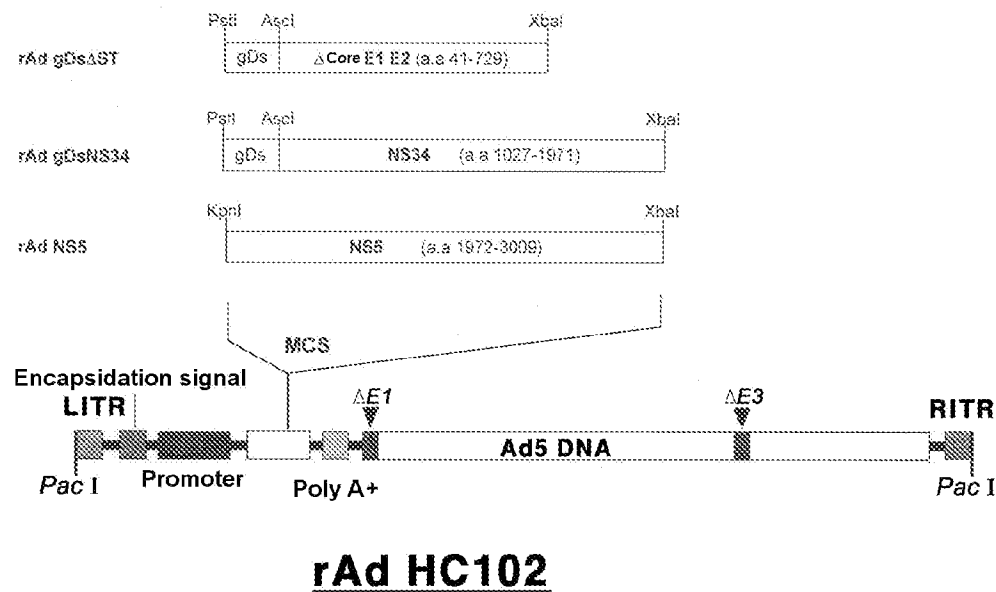
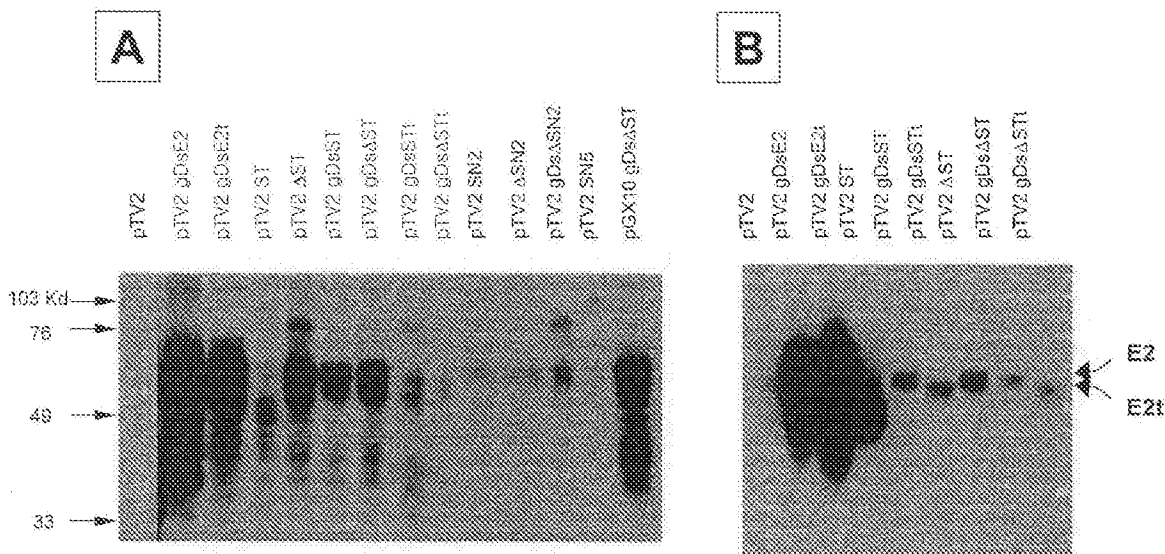


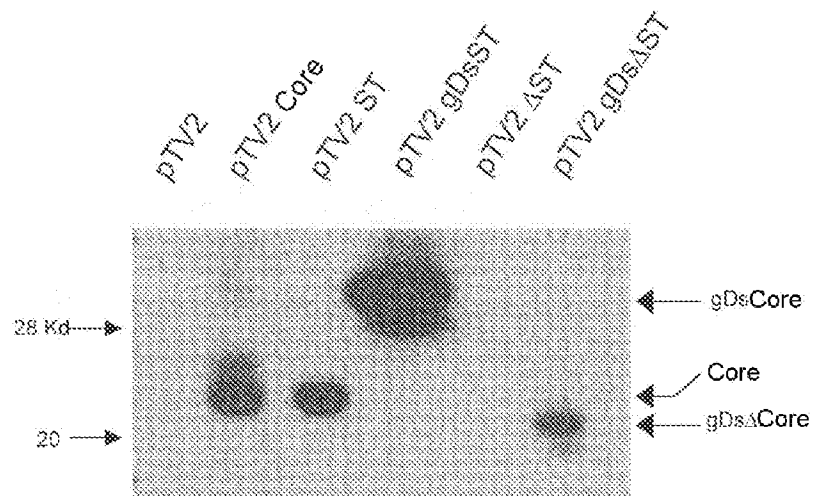
FIG. 5



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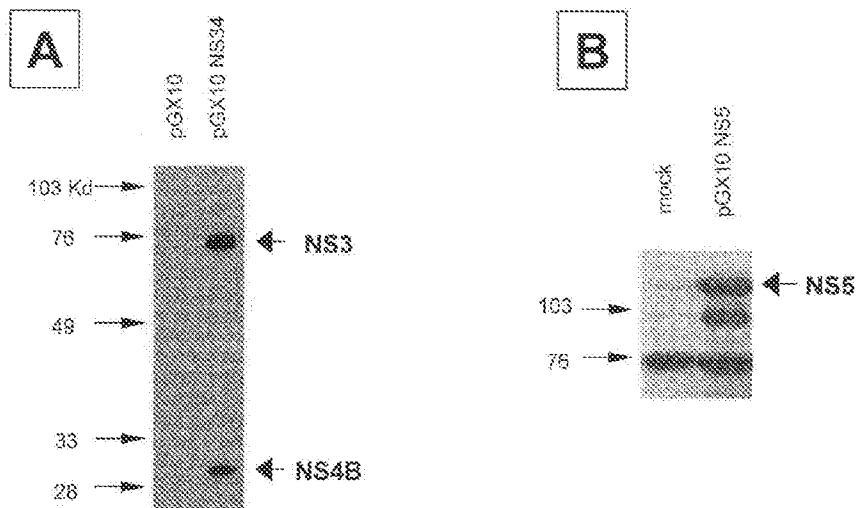
**FIG. 6**

**COS-7**



**FIG. 7**

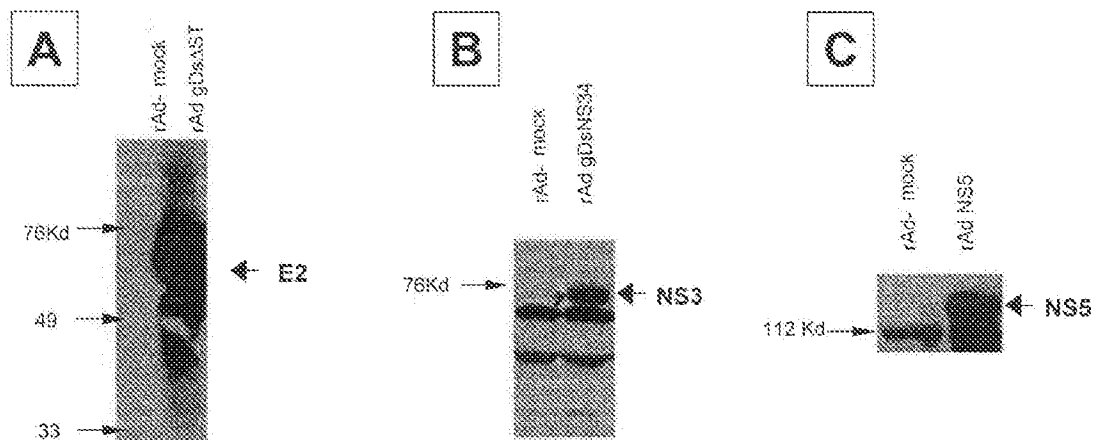
**COS-7**



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FIG. 8

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FIG. 9

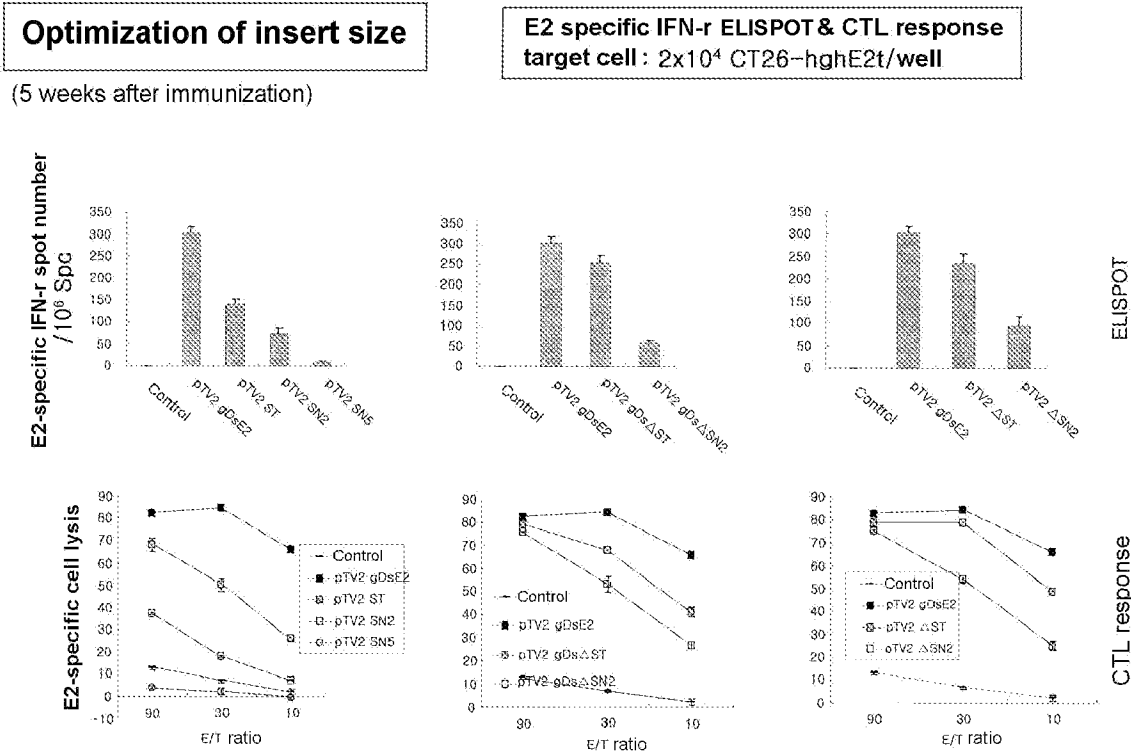
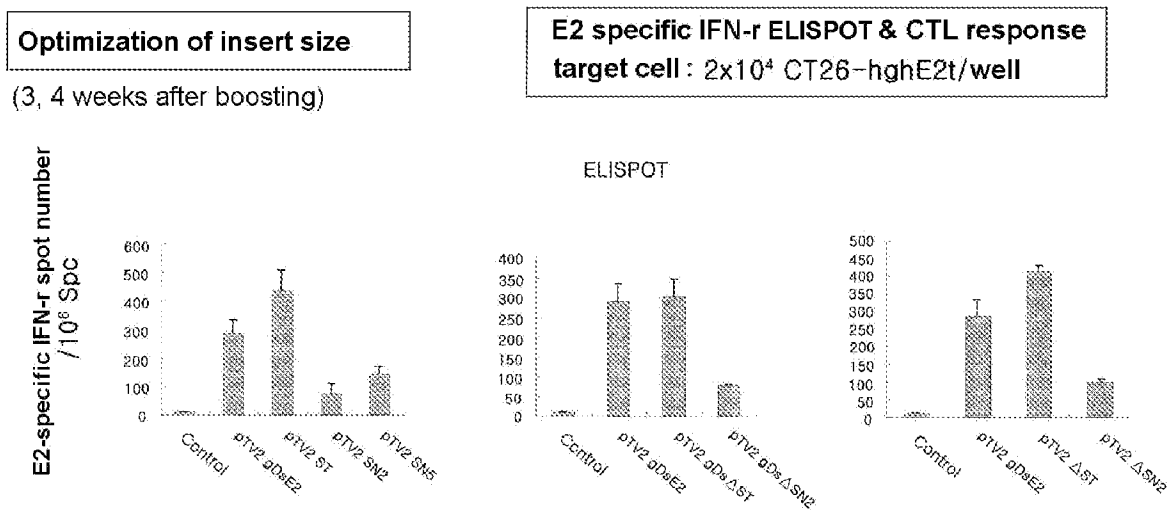
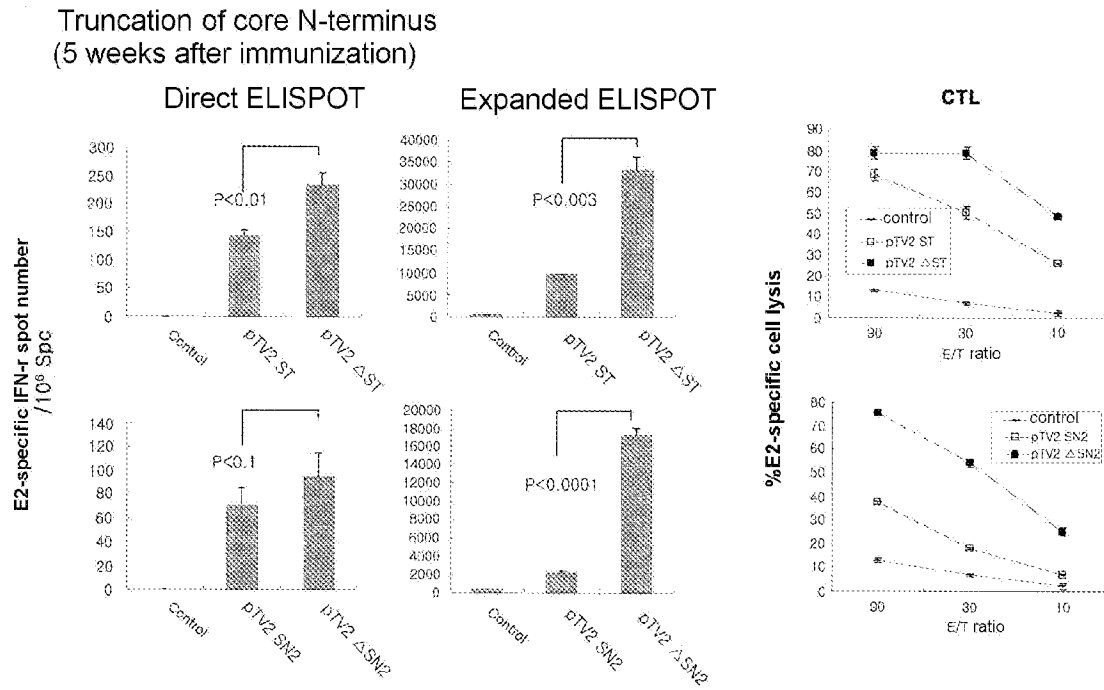


FIG. 10



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**FIG. 11**

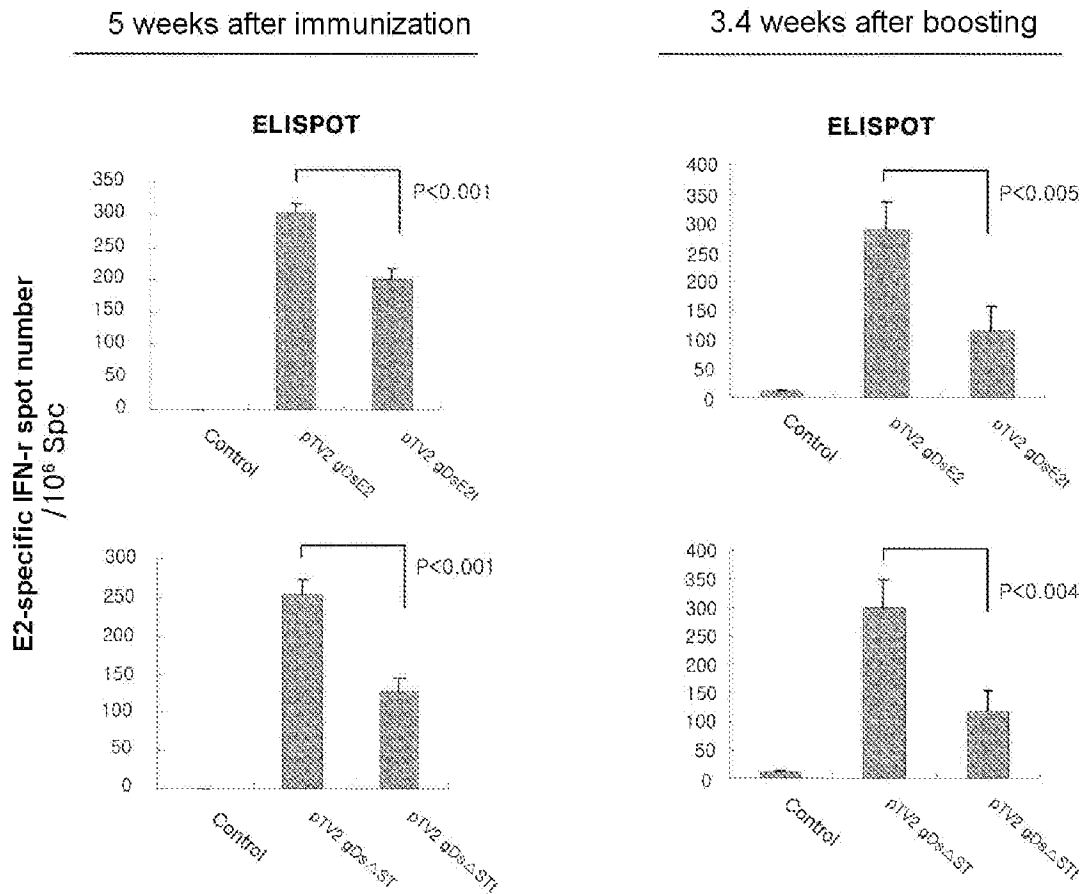




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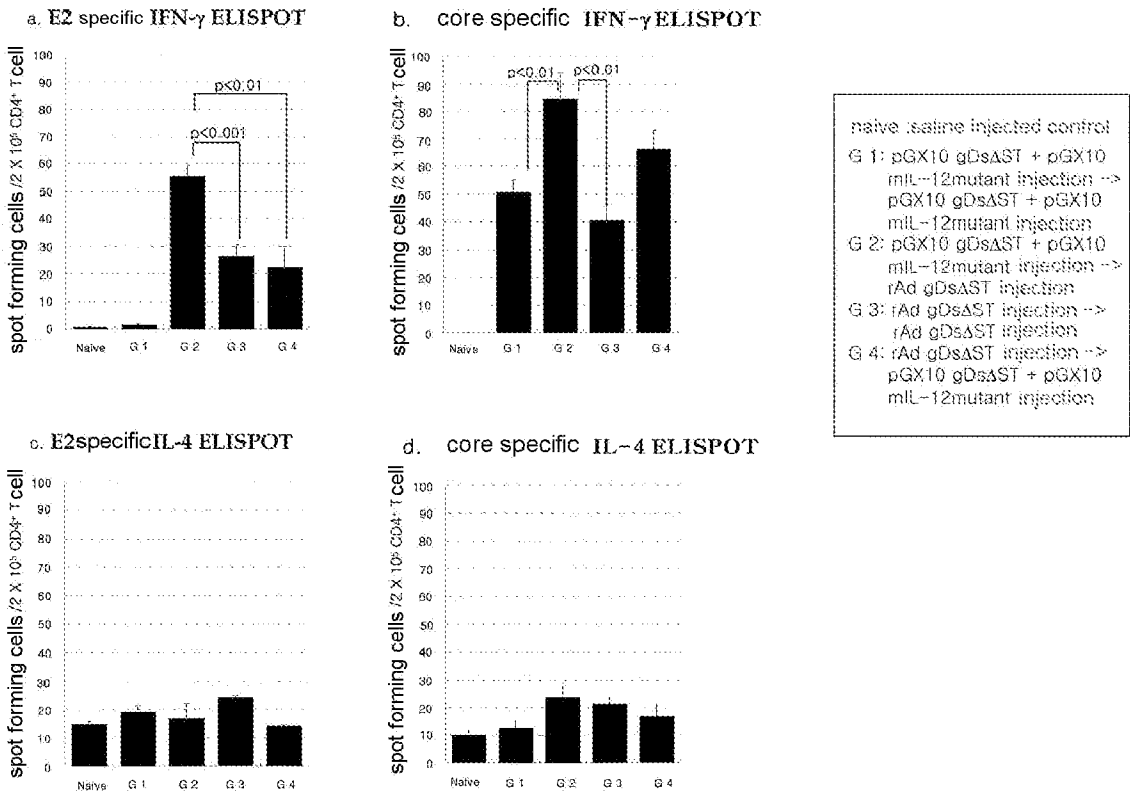
FIG. 12

# Truncation of E2 TM domain



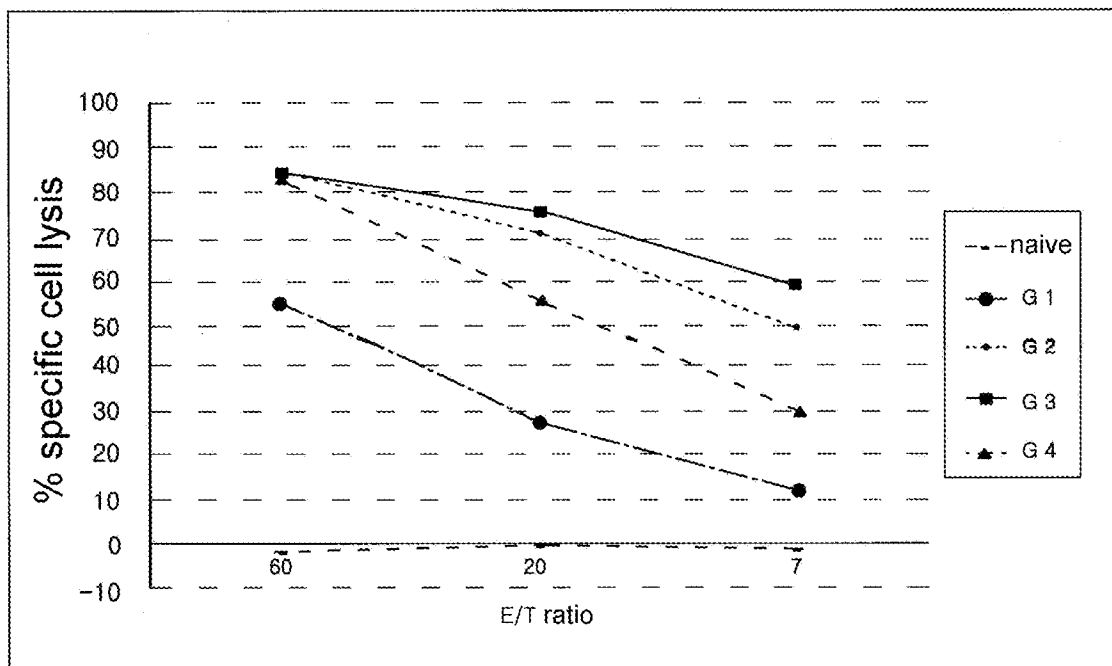
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FIG. 13



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FIG. 14

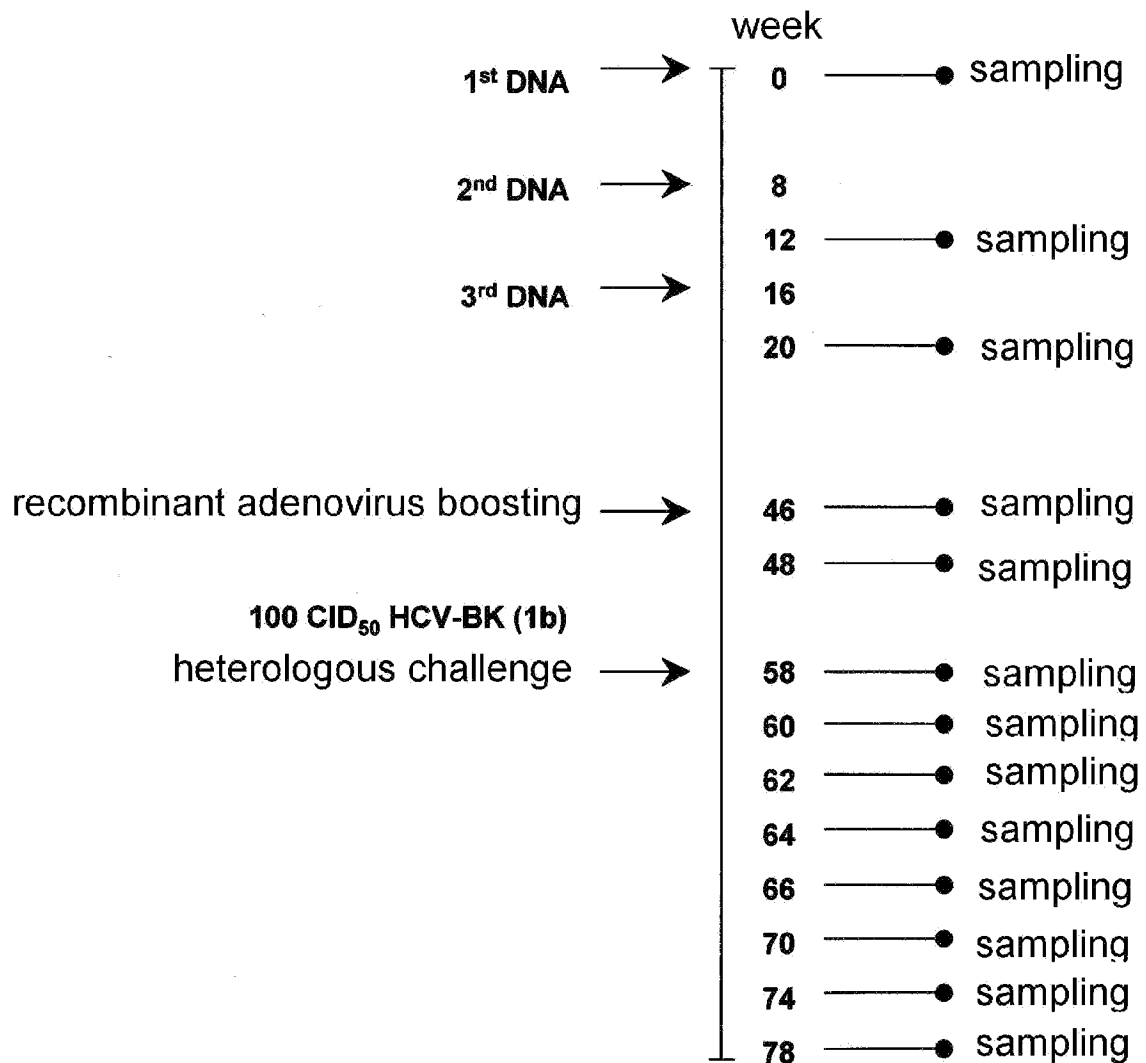


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FIG. 15

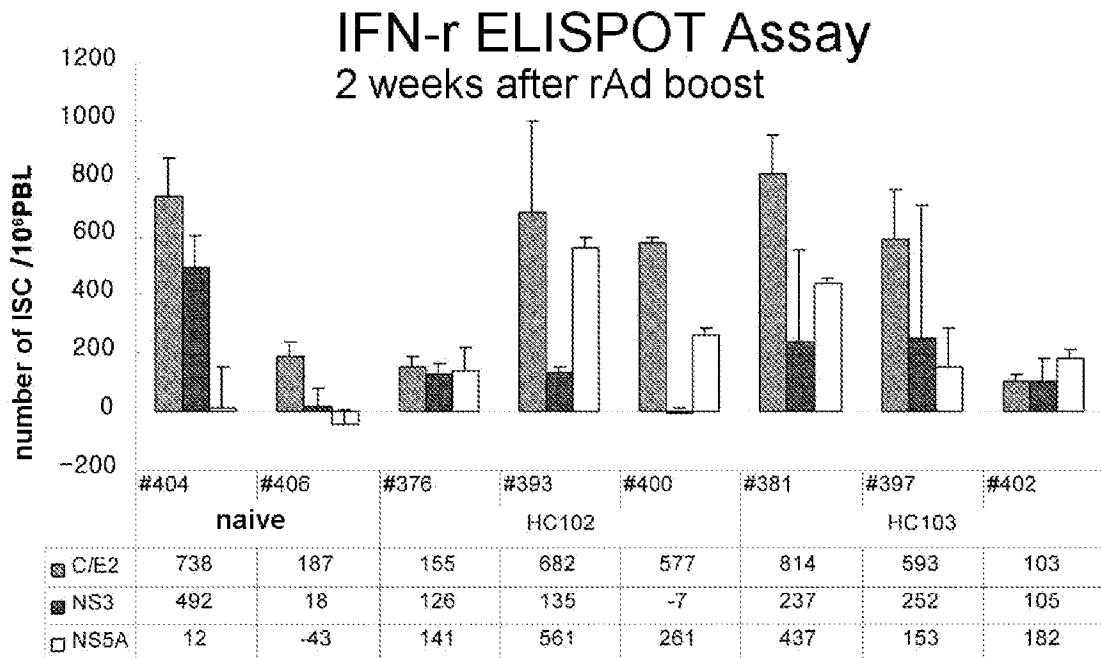
**(schedule)**

DNA prime/ rAd boost



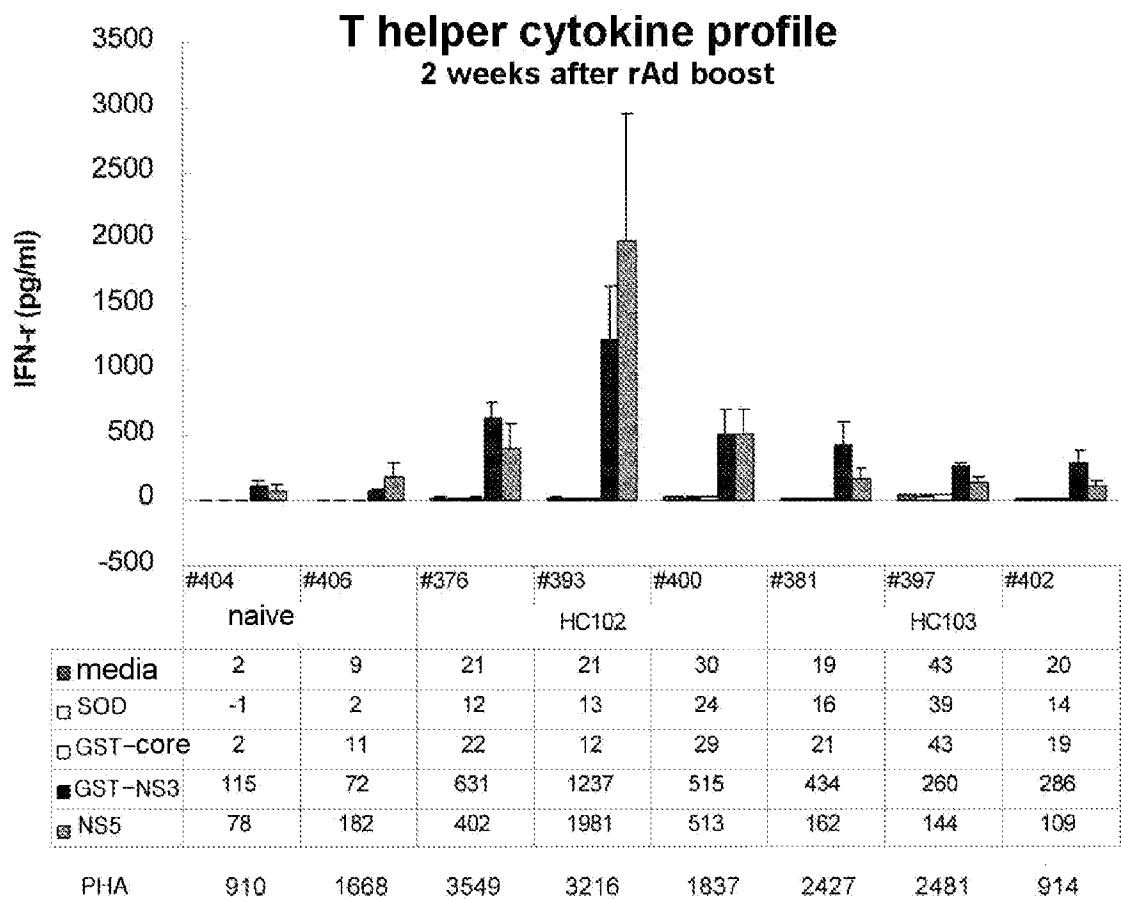
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FIG. 16



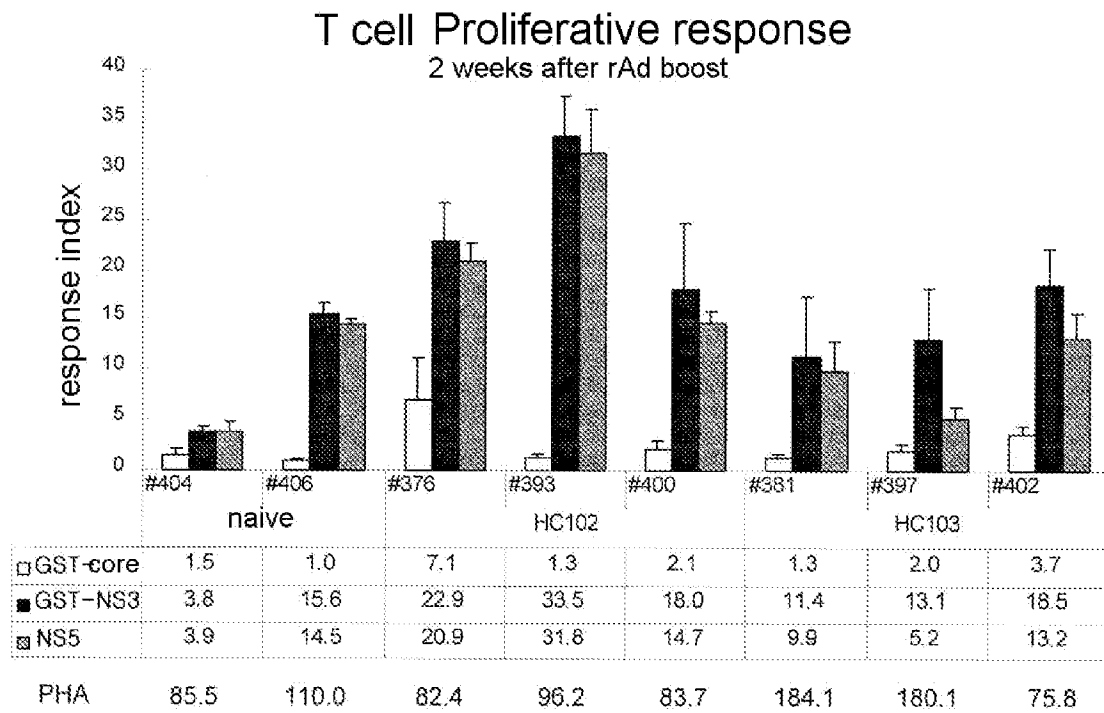
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FIG. 17



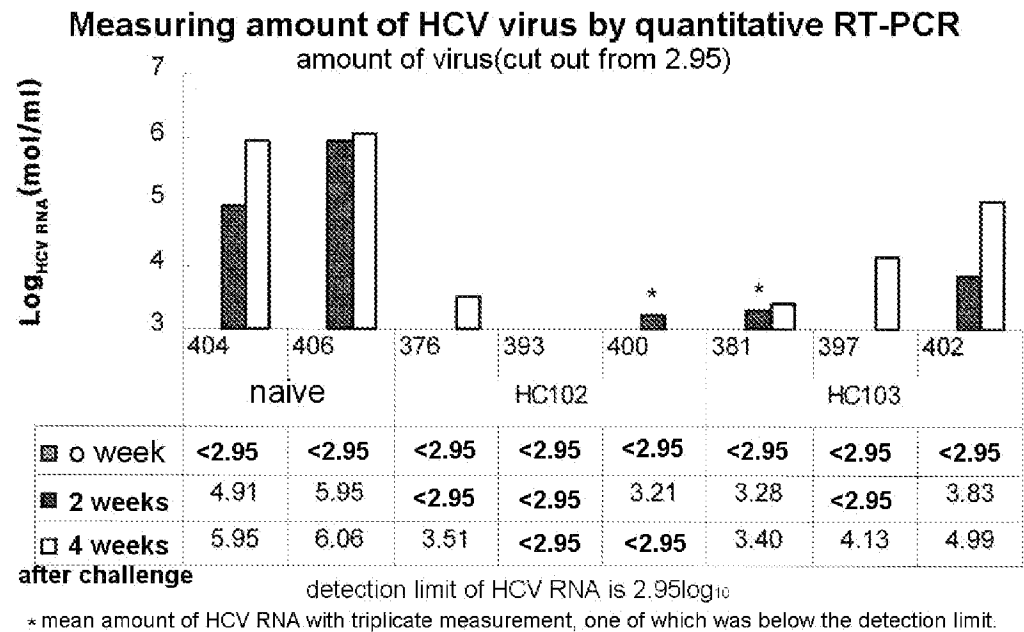
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**FIG. 18**



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FIG. 19





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FIG. 20a

# Amino acid sequence of core peptide pool

$\Delta$ core (43-191)			
No	Name	Sequence	SEQ ID NO
#1	HCV43-52	RLGVRATRKT SERSQPRGRR	55
#2	HCV53-72	SERSQPRGRR QPIPKARQPE	56
#3	HCV63-82	QPIPKARQPE GRTWAQPGYP	57
#4	HCV73-92	GRTWAQPGYP WPLYGNEGLG	58
#5	HCV83-102	WPLYGNEGLG WAGWLLSPRG	59
#6	HCV93-112	WAGWLLSPRG SRPSWGPTDP	60
#7	HCV103-122	SRPSWGPTDP RRRSRNLGKV	61
#8	HCV113-132	RRRSRNLGKV IDTLTCGFAD	62
#9	HCV123-142	IDTLTCGFAD IMGYIPLVGA	63
#10	HCV133-152	IMGYIPLVGA PLGGVARALA	64
#11	HCV143-162	PLGGVARALA HGVRLLEDGV	65
#12	HCV153-172	HGVRLLEDGV NYATGNLPGC	66

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FIG. 20b

# Amino acid sequence of E2t peptide pool

E2t (284-713)							
No	Name	Sequence	SEQ ID NO	No	Name	Sequence	SEQ ID NO
#13	HCV384-403	STRVTGGTEG RTTNRFVSIF	67	#29	HCV554-573	WMNSTGFTKT CGGPPCDIGG	83
#14	HCV404-423	ASGPSQKIQL VNNNGSWHIN	68	#30	HCV564-583	CGGPPCDIGG VGNNLTTCPT	84
#15	HCV414-433	VNNNGSWHIN RTALNCNDSL	69	#31	HCV574-593	VGNNLTTCPT DCFRKHEAT	85
#16	HCV424-443	RTALNCNDSL SSGFIAALFY	70	#32	HCV584-603	DCFRKHPEAT YTKCGSGPWL	86
#17	HCV434-453	SSGFIAALFY THKFDSSGCP	71	#33	HCV594-613	YTKCGSGPWL TPRCMVDYPY	87
#18	HCV444-463	THKFDSSGCP ERMASCRPID	72	#34	HCV604-623	TPRCMVDYPY RLWHYPCTIN	88
#19	HCV454-473	ERMASCRPID KFAQGWSIT	73	#35	HCV614-633	RLWHYPCTIN FTIFKVRMYV	89
#20	HCV464-483	KFAQGWSIT YAESGGSDQR	74	#36	HCV624-643	FTIFKVRMYV GGVEHRLDAA	90
#21	HCV474-493	YAESGGSDQR PYCWHYAPRQ	75	#37	HCV634-653	GGVEHRLDAA CNWTRGERCD	91
#22	HCV484-503	PYCWHYAPRQ CGIVPASQVC	76	#38	HCV644-663	CNWTRGERCD LEDRDRSELS	92
#23	HCV494-513	CGIVPASQVC GPVYCFTPSP	77	#39	HCV654-673	LEDRDRSELS PLLLSTTEWQ	93
#24	HCV504-523	GPVYCFTPSP VVVGTTDRSG	78	#40	HCV664-683	PLLLSTTEWQ VLPCSFTTLP	94
#25	HCV514-533	VVVGTTDRSG APTYTWGENE	79	#41	HCV674-693	VLPCSFTTLP ALSTGLIHLH	95
#26	HCV524-543	APTYTWGENE TDVLLLNTR	80	#42	HCV684-703	ALSTGLIHLH QNIVHAQHLH	96
#27	HCV534-553	TDVLLLNTR PPQANWFGCT	81	#43	HCV694-713	QNIVHAQHLH GVGSVVVSIV	97
#28	HCV544-563	PPQANWFGCT WMNSTGFTKT	82				

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FIG. 20c

# Amino acid sequence of NS3 protease peptide pool

NS3 protease (1029-1217)			
No	Name	Sequence	SEQ ID NO
#44	gHCV-1029	ITAYSQQTRGLLGCIITSLT	98
#45	gHCV-1039	LLGCIITSLTGRDKNQVEGE	99
#46	gHCV-1069	FLATCVNGAWTVFHGAGSK	100
#47	gHCV-1078	WTVFHGAGSKTLAGPKGPIT	101
#48	gHCV-1088	TLAGPKGPITQMYTNVDLDL	102
#49	gHCV-1098	QMYTNVDLDLVGWQAPPGSR	103
#50	gHCV-1108	VGWQAPPGSRPLTPCTCGSS	104
#51	gHCV-1118	PLTPCTCGSSDLYLVTRHAD	105
#52	gHCV-1128	DLYLVTRHADVIPVRRRGDS	106
#53	gHCV-1138	VIPVRRRGDSRGS LPCPRPV	107
#54	gHCV-1148	RGS LPCPRPVSYLKGSSGGP	108
#55	gHCV-1158	SYLKGSSGGP LLCPSGHAVG	109
#56	gHCV-1168	LLCPSGHAVGIFRAAVCTRG	110
#57	gHCV-1178	IFRAAVCTRGVAKAVDFIPV	111
#58	gHCV-1188	VAKAVDFIPVESMETTMRSP	112
#59	gHCV-1198	ESMETTMRSPVFTDNSTPPA	113

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FIG. 20d

# Amino acid sequence of Helicase peptide pool

NS3 helicase (1208-1656)							
No	Name	Sequence	SEQ ID NO	No	Name	Sequence	SEQ ID NO
#60	HCV1208-1227	VFTDNSTPPA VPQTFQVAHL	114	#77	HCV1458-1477	TQTVDFSLDP TFTIDTTTVP	131
#61	HCV1218-1237	VPQTFQVAHL HAPTGSQKST	115	#78	HCV1468-1487	TFTIDTTTVP QDAVSRSQRR	132
#62	HCV1228-1247	HAPTGSQKST KVPAAAYAAQG	116	#79	HCV1478-1497	QDAVSRSQRR GRTGRGRRGI	133
#63	HCV1238-1257	KVPAAAYAAQG YKVLVLNPSV	117	#80	HCV1488-1507	GRTGRGRRGI YRFVTPGERP	134
#64	HCV1248-1267	YKVLVLNPSV AATLGFGVYM	118	#81	HCV1498-1517	YRFVTPGERP SGMFDSSVLC	135
#65	HCV1258-1277	AATLGFGVYM SKAHGIDPNI	119	#82	HCV1518-1537	ECYDAGCAWY ELTPAETSVR	136
#66	HCV1268-1287	SKAHGIDPNI RTGVRAITTG	120	#83	HCV1528-1547	ELTPAETSVR LRAYLNTPLG	137
#67	HCV1278-1297	RTGVRAITTG APITYSTYGK	121	#84	HCV1538-1557	LRAYLNTPLG PVCQDHLEFW	138
#68	HCV1318-1337	HSTDSTSILG IGTVLDQAET	122	#85	HCV1548-1567	PVCQDHLEFW ESVFTGLTHI	139
#69	HCV1328-1347	IGTVLDQAET AGARLVVLAT	123	#86	HCV1558-1577	ESVFTGLTHI DAHFLSQTKQ	140
#70	HCV1348-1367	ATPPGSVTVP HPNIEEVALS	124	#87	HCV1568-1587	DAHFLSQTKQ AGDNFPYLVA	141
#71	HCV1358-1377	HPNIEEVALS NTGEIPFYGK	125	#88	HCV1578-1597	AGDNFPYLVA YQATVCARAQ	142
#72	HCV1368-1387	NTGEIPFYGK AIPIEVIKGG	126	#89	HCV1588-1607	YQATVCARAQ APPPSWDQMW	143
#73	HCV1388-1407	RHLIFCHSKK KSDELAAKLS	127	#90	HCV1598-1617	APPPSWDQMW KCLTRLKPTL	144
#74	HCV1398-1417	KSDELAAKLS ALGLNAVAYY	128	#91	HCV1608-1627	KCLTRLKPTL HGPTPLLYRL	145
#75	HCV1408-1427	ALGLNAVAYY RGLDVSVIPT	129	#92	HCV1618-1637	HGPTPLLYRL GAVQNEVTLT	146
#76	HCV1418-1437	RGLDVSVIPT SGDVVVVATD	130	#93	HCV1628-1647	GAVQNEVTLT HPVTKFIMAC	147

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FIG. 20e

# Amino acid sequence of NS5A peptide pool

NS5A (1972-2411)							
No	Name	Sequence	SEQ ID NO	No	Name	Sequence	SEQ ID NO
#94	gHCV-1972	SGSWLRD VWDWICTVLTDFK	148	#113	gHCV-2192	GSPPSLASSSASQLSAPSLK	167
#95	gHCV-1982	WICTVLTDFKTWLQSKLLPR	149	#114	gHCV-2202	ASQLSAPSLKATCTIHHDSP	168
#96	gHCV-1992	TWLQSKLLPRLPGVPPFFSCQ	150	#115	gHCV-2212	ATCTIHHDSPDADLIEANLL	169
#97	gHCV-2002	LPGVPPFFSCQRGYKGVWRGE	151	#116	gHCV-2222	DADLIEANLLWRQEMGGNIT	170
#98	gHCV-2012	RGYKGVWRGEGIMQTTCPG	152	#117	gHCV-2232	WRQEMGGNITRVESENKVI	171
#99	gHCV-2022	GIMQTTCPGQAQIAGHVKN	153	#118	gHCV-2242	RVESENKVVILDSFEPRAE	172
#100	gHCV-2042	SMRIVGPRTCSNTWHGTFPI	154	#119	gHCV-2252	LSFEPRAEEDEREVSVP	173
#101	gHCV-2052	SNTWHGTFPINAYTTGPCSP	155	#120	gHCV-2262	EDEREVSVPAILRRSRKFP	174
#102	gHCV-2062	NAYTTGPCSPSPAPNYSRAL	156	#121	gHCV-2272	EILRRSRKFPAAMPIWARPD	175
#103	gHCV-2072	SPAPNYSRALWRVAAEEYVE	157	#122	gHCV-2292	YNPPLLESWKDPDYVPPVH	176
#104	gHCV-2082	WRVAAEEYVEVTRVGD FHYV	158	#123	gHCV-2302	DPDYVPPVHGCPLPPTKAA	177
#105	gHCV-2092	VTRVGD FHYVTGVTTDNVKC	159	#124	gHCV-2322	PIPPRRKRTIVLTESTVSS	178
#106	gHCV-2102	TGVTTDNVKCPCQVPAPEFF	160	#125	gHCV-2332	IVLTESTVSSALAEATKTF	179
#107	gHCV-2122	TELDGVRLHRYAPACKPLL	161	#126	gHCV-2342	ALAEATKTFGGSGSWAADS	180
#108	gHCV-2132	YAPACKPLL RDEVSFQVGLN	162	#127	gHCV-2352	GGSGSWAADSGTATAPDQT	181
#109	gHCV-2152	QYLVGSQLPCEPEPDVAULT	163	#128	gHCV-2372	SDDGDKESDVEYSMPPLE	182
#110	gHCV-2162	EPEPDVAULTSMLTDPSHIT	164	#129	gHCV-2382	ESYSSMPLEGEPPDPLSD	183
#111	gHCV-2172	SMLTDPSHITAETAKRRLAR	165	#130	gHCV-2392	GEPGDPDLSGWSWTVSEEA	184
#112	gHCV-2182	AETAKRRLARGSPPSLASS	166				